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Case Report

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[Olfactory Dysfunction in Sports Players following Moderate and Severe Head Injury: A Possible Cut-off from Normality to Pathology](#)

Concussion occurs with some frequency in a variety of sports. Any trauma to the brain can also result in temporary or chronic olfactory dysfunction. The relationship between sports concussion and olfactory dysfunction is not well studied, nor do we know whether only more severe injuries result in smell impairments. Three sports players who had previously experienced either a moderate or severe concussion were compared to matched controls. Only the player with a previous severe concussion had a current olfactory impairment. We tentatively suggest that the distinction between moderate and severe concussion may represent a possible cut-off between the presence and absence of olfactory impairment in sports players.
